



STIC Search Report

EIC 2100

STIC Database Tracking Number 171367

TO: Gwen Liang
Location: RND 3B11
Art Unit : 2162
Tuesday, December 13, 2005

Case Serial Number: 10/821687

From: Geoffrey St. Leger
Location: EIC 2100
Randolph-4B31
Phone: 23450

geoffrey.stleger@uspto.gov


Search Notes

Dear Examiner Liang,

Attached please find the results of your search request for application 10/821687. I searched Dialog's foreign patent files and non-patent literature files.

Please let me know if you have any questions.

Regards,


Geoffrey St. Leger
4B31/x23540

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200579

(c) 2005 Thomson Derwent

Set	Items	Description
S1	2490	SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2	48	S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	47217	HEADER? ?
S4	2011388	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()- DATA()UNIT? ?
S5	14471	(TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6	3938	(LENGTH OR SIZE)(3N)FIELD? ?
S7	110436	(SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DY- NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	148354	S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	1972	LARGE(1W)OBJECT? ? OR LOBS OR LONG()FIELD? ?
S10	1023793	NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INT- ERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()C- HILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S11	0	S1 AND S8
S12	1	S8 AND S5 AND S6
S13	1	PN=US 20050234986
S14	26575	(TYPE OR KIND)(7N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR M- EMBER? ?)
S15	32858	(LENGTH OR SIZE)(7N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S16	0	S1 AND S14 AND S15
S17	13	S1 AND S14:S15
S18	27	S3 AND S4 AND S14:S15
S19	1	S3 AND S4 AND S14 AND S15
S20	14	S17 OR S19
S21	5	S2 AND S3:S7
S22	19	S20:S21

File 348:EUROPEAN PATENTS 1978-2005/Dec W01

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051208,UT=20051201

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	15654	SERIALIZ????? OR SERIALIS????? OR MARSHAL????
S2	407	S1(5N) (FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE() SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	51025	HEADER? ?
S4	16477	PAYLOAD? ? OR PAY()LOAD? ?
S5	22580	(TYPE? ? OR KIND? ?) (3N)FIELD? ?
S6	16431	(LENGTH OR SIZE) (3N)FIELD? ?
S7	191210	(SIZE OR LENGTH) (5N) (VARIABLE OR VARIE? ? OR VARY??? OR DY- NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	269	S1(10N) (RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	8061	LARGE(1W)OBJECT? ? OR LOB OR LOBS
S10	668593	IMAGE? ? OR MOVIE? ? OR GRAPHIC? ? OR VIDEO? ? OR ANIMATIO- N? ? OR MOVIE? ? OR MULTIMEDIA OR AUDIO OR MP3? ? OR SOUND OR MUSIC OR SONG? ?
S11	931536	NESTED OR COLLECTED OR LINKED OR JOINED OR RELATED OR INTE- RRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT() CH- ILD OR (DIRECTORY OR FOLDER) (1W)STRUCTURE? ?
S12	542	S4(10N) (RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S13	5	S3(50N)S12(50N)S5(50N)S6
S14	35	S3(50N)S12(50N) (TYPE OR KIND) (50N) (LENGTH OR SIZE)
S15	12	S3(50N)S1(50N)S5(50N)S6
S16	18	S1(50N)S3(50N)S4(50N) (TYPE OR KIND) (50N) (LENGTH OR SIZE)
S17	3	S1(50N)S12
S18	58	S13:S17
S19	58	IDPAT (sorted in duplicate/non-duplicate order)
S20	551024	BODY
S21	71711	S20(10N) (RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S22	3	S3(50N)S21(50N)S5(50N)S6
S23	24	S3(50N)S21(50N) (TYPE OR KIND) (50N) (LENGTH OR SIZE)
S24	5	S1(50N)S21
S25	28	S22:S24
S26	27	S25 NOT S19
S27	27	IDPAT (sorted in duplicate/non-duplicate order)
S28	6	S2(50N)S3(50N) (S4 OR S20)
S29	3731	PDU? ? OR PROTOCOL()DATA()UNIT? ?
S30	182	S29(10N) (RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S31	1	S3(50N)S30(50N)S5(50N)S6
S32	10	S3(50N)S30(50N) (TYPE OR KIND) (50N) (LENGTH OR SIZE)
S33	0	S1(50N)S30
S34	10	S31:S32
S35	22	S1(50N)S9
S36	566630	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()- DATA()UNIT? ?
S37	11	S3(50N)S36(50N)S9
S38	32	S35 OR S37
S39	211	(TYPE OR KIND) (10N)S9
S40	346	(LENGTH OR SIZE) (10N)S9
S41	14	S39(50N)S40
S42	45	S38 OR S41
S43	45	IDPAT (sorted in duplicate/non-duplicate order)
S44	198	LONG()FIELD? ?
S45	0	S1(50N)S44
S46	7	S3(50N)S36(50N)S44
S47	28	(TYPE OR KIND) (10N)S44
S48	13	(LENGTH OR SIZE) (10N)S44
S49	4	S47(50N)S48
S50	10	S46 OR S49
S51	555	S5(10N)S11
S52	288	S6(10N)S11

S53 0 S3 (50N) S36 (50N) S51 (50N) S52
S54 0 S1 (50N) S51 (50N) S52
S55 169561 NESTED OR COLLECTION
S56 31797 (TYPE OR KIND) (10N) S55
S57 6003 (LENGTH OR SIZE) (10N) S55
S58 2 S3 (50N) S36 (50N) S56 (50N) S57
S59 15 (S3 OR S36) (50N) S55 (50N) S1

protocols that utilize the record protocol 11S2, including the application data protocol. Accordingly, in the case of transmitting the RTP packet by use of SSL, the header and the payload in their entirety are encrypted and mapped into the payload 24 of the record protocol data.

When the header of the record protocol is added to such an encrypted version of the whole RTP packet or the RTP packet, it is impossible to perform RTP header compression during transmission. That is, since the header compression is performed collectively for the RTP header, the UDP header and the IP header arranged one after another as depicted in Fig. 2, if a record protocol header 10 is inserted between the RTP header and the UDP header, they cannot collectively be data-compressed. For this reason, the application of SSL/WTSL to the RTP

19/3,K/16 (Item 16 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01409004

UMTS protocol frame format to support quality of service
Rahmenformat des UMTS Protokolls zur Unterstutzung von Dienstqualitaten
Format de trame de protocole UMTS pour supporter la qualite de service
PATENT ASSIGNEE:

LUCENT TECHNOLOGIES INC., (2143720), 600 Mountain Avenue, Murray Hill,
New Jersey 07974-0636, (US), (Proprietor designated states: all)

INVENTOR:

Abraham, Santosh P., 208 Sunnyview Oval, Keasbey, NJ 08832, (US)
Chuah, Mooi Choo, 1 Skylark Ct., Marlboro, NJ 07746, (US)
Medapalli, Kameswara Rao, 701 Knollwood drive, Middletown, NJ 07748, (US)
Sampath, Ashwin, 32 Nottingham, Somerset, NJ 08873, (US)

LEGAL REPRESENTATIVE:

Watts, Christopher Malcolm Kelway, Dr. et al (37391), Lucent Technologies
(UK) Ltd, 5 Mornington Road, Woodford Green Essex, IG8 0TU, (GB)

PATENT (CC, No, Kind, Date): EP 1191750 A1 020327 (Basic)
EP 1191750 B1 031217

APPLICATION (CC, No, Date): EP 2001303127 010402;

PRIORITY (CC, No, Date): US 666809 000921

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-012/56; H04L-029/06

ABSTRACT WORD COUNT: 92

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200213	321
CLAIMS B	(English)	200351	312
CLAIMS B	(German)	200351	249
CLAIMS B	(French)	200351	399
SPEC A	(English)	200213	2271
SPEC B	(English)	200351	2240
Total word count - document A			2592
Total word count - document B			3200
Total word count - documents A + B			5792

...SPECIFICATION downlink (from an RNC to an NB) data frames. Each data frame (uplink or downlink) comprises a header portion and a payload portion (also referred to as a protocol data unit (PDU)), and supports multiplexing a number of DCHs in the payload portion. Each DCH comprises transport blocks (TBs), which are the basic units used to convey data. The size and number of TBs in each DCH of a data frame is

identified by an associated transport format indicator (TFI) in the header portion of the data frame. It should also be noted that these DCH FP procedures also apply...

...association of a TFI field with each DCH in a UTRAN data frame for specifying, effectively, the size of each DCH in the payload portion of the data frame, we have realized that it is...

...invention, a node of a UTRAN based network formats data into a UTRAN data frame comprising a header portion, a payload portion and a quality of service field associated with the payload portion for transmission...

...field of a UTRAN data frame (uplink or downlink) is used to convey a four bit payload type indicator and a four bit QoS class indicator.



19/3,K/25 (Item 25 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00752076

Device and method for the connection of a personal computer to an ATM network

Apparat und Methode fur die Verbindung eines Personalcomputers an ein ATM-Netzwerk

Appareil et methode pour la connection d'un ordinateur personnel a un reseau ATM

PATENT ASSIGNEE:

ITALTEL SOCIETA ITALIANA TELECOMUNICAZIONI s.p.a., (406990), P.le
Zavattari, 12, I-20149 Milano, (IT), (applicant designated states:
DE;FR;NL;SE)

INVENTOR:

Merli, Edoardo, Via Benassi, 7, I-43100 Parma, (IT)
Pavesi, Marco, Via dei Cappuccini, 11, I-27029 Vigevano (PV), (IT)
Marino, Gennaro, Via Alzaia Trieste, 44, I-20094 Corsico (MI), (IT)
Zizza, Fabrizio, Via Ravenna, 21, I-28100 Novara, (IT)

LEGAL REPRESENTATIVE:

Giustini, Delio (47616), Siemens Information and Communication Networks
S.p.A. Palazzo Gorky Via Monfalcone, 1, 20092 Cinisello Balsamo, (IT)

PATENT (CC, No, Kind, Date): EP 708574 A2 960424 (Basic)

EP 708574 A3 980909

APPLICATION (CC, No, Date): EP 95115115 950926;

PRIORITY (CC, No, Date): IT 94MI2140 941020

DESIGNATED STATES: DE; FR; NL; SE

INTERNATIONAL PATENT CLASS: H04Q-011/04;

ABSTRACT WORD COUNT: 120

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1695
SPEC A	(English)	EPAB96	5842
Total word count - document A			7537
Total word count - document B			0
Total word count - documents A + B			7537

...SPECIFICATION Each element of such matrix represents a bit.

The primitive IMP is divided in two parts, the **header**

HD(underscore)IMP and the **payload** PL(underscore)IMP.

The header HD(underscore)IMP comprises the first five lines (40 bits) of the primitive IMP.

The bits 0-1 of the **header** HD(underscore)IMP contain a field ENDOFSEQ indicating if the primitive IMP carries an intermediate or final cell of the ATM cell sequence setting up a message.

The bits 2-4 of the **header** HD(underscore)IMP contain a field WHEREFROM indicating the module which has issued the message.

The bits 5-7 of the **header** HD(underscore)IMP contain a field WHERETO indicating the module which has received the message.

The bits 8-11 of the **header** HD(underscore)IMP contain a field REQTYPE indicating the **Type** of request has been made to the receiving module.

The bits 12-23 of the **header** HD(underscore)IMP contain a field REFERENCE indicating the ATM connection.

Finally the bits 24-39 of the **header** HD(underscore)IMP contain a field **LENGTH** indicating the **length** of the message contained in the **payload** part PL(underscore)IMP of the **primitive** IMP.

The **payload** part PL(underscore)IMP comprises a number N of lines of the primitive IMP representing the message **PARAMETER** to be transferred. Inside the message **PARAMETER** other service data is contained such as **CRC**, **length** of the individual data fields, etc.

The meaning of the individual fields of the intermodule primitive will

...a flowchart showing the process according to the present invention by which a data packet of variable length generated by a software programme on a personal computer PC is transmitted on the ATM-SW network

102. The Next Header and Hdr Ext Len fields of the Hop-by-Hop Options extension header 102 are omitted for clarity. The IP address of the CN is included in a Type-Length Value (TLV) encoded option in the Hop-by-Hop Options extension header 102. Thus, a suitable Options Type number (8-bits) 106 is used to identify the type of option (ie the specification of the...

...tunnelled via the MN's HA) followed by the Option Data Length 108 (which depends on the length of the CN address) followed by the Option Data itself ie the CN address 1 1 0...



19/3,K/40 (Item 40 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01068566 **Image available**

NETWORK INTERFACE FOR DISTRIBUTED INTELLIGENCE DATABASE SYSTEM
INTERFACE RESEAU POUR SYSTÈME DE BASE DE DONNÉES D'INTELLIGENCE REPARTIES
Patent Applicant/Assignee:

NETEZZA CORPORATION, 200 Crossing Boulevard, Framingham, MA 01702-4480,
US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

HINSHAW Foster D, 22 Campbell Park, Somerville, MA 02144, US, US
(Residence), US (Nationality), (Designated only for: US)

ALMY Steven T, 4 Andrews Street, Westborough, MA 01581, US, US
(Residence), US (Nationality), (Designated only for: US)

UTTER David A, 36 Stagecoach Road, Princeton, MA 01541, US, US
(Residence), US (Nationality), (Designated only for: US)

ZANE Barry M, 4 Cobblestone Circle, Wayland, MA 01778, US, US (Residence)
, US (Nationality), (Designated only for: US)

Legal Representative:

THIBODEAU Jr David J (et al) (agent), Hamilton, Brook, Smith & Reynolds,
P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200398476 A1 20031127 (WO 0398476)

Application: WO 2003US14518 20030509 (PCT/WO US0314518)

Priority Application: US 2002145564 20020513

Parent Application/Grant:

Related by Continuation to: US 2002145564 20020513 (CON)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10025

Fulltext Availability:

Detailed Description

Detailed Description

... may be referred to as the "payload" for that packet. It should be
noted that the packet size may be a function of the network protocols
used in a particular implementation. A packet may contain a partial

record, a single record, or many records, depending on the **size** of the records and the allowable **payload size**. A zero pad section 214 may be required to fill out one or more packets for protocols which require a minimum packet **size**. If, on the other hand, a record set result is too large to be transmitted in...

...data be transmitted properly via a conventional internetworking infrastructure 130 that includes standardized routers and switchers, appropriate **header** and trailer information must be added to the payload as required by the network protocols in use...

...5 layer protocol. A second block 220 is then set aside in the memory 153 for storing **headers** associated with each of these communication protocol layers.

A portion 223 of **header** block 220 is used for storing **header** information specific to an application layer. This application **header** 223 may, for example, indicate information consisting of data **type**, a destination identifier, a sender identifier, a return identifier, a release flag, and a reliability flag. The data **type** parameter, for example, may indicate that the **payload** consists of a **record** set of a specific, integral number of database records. Other data types may be used such as...

...data, data files, binary objects, XML, or control messages being passed at the application layer. One possible **header** block format is discussed in more detailed below in connection with Fig. 5.

A destination identifier indicates...Fig. 6. Here a packet is received at the central database processor 110. The application layer **header** is seen to contain a release memory flag 401, return address flag 402, reliability flag 403, **payload type** flag 404, query priority flag 405 and query identifier 406. A Routing table 450 is maintained in...

...routing table 450 to determine which process a packet should be sent to.

As mentioned above, the **payload** may contain an integral number of **records** **N** so that the system may effectively stream records to the receiver. In the preferred embodiment, the packet **size** would typically be selected to be the smallest of the network layers' packet sizes among, for example...

...selected Ethernet, UDP, and IP sizes. Even though a network stack is not required, by maintaining conventional **headers**, the system may use conventional network switches. The system conforms to packets to the **size** and format required by whatever network components are utilized.

19/3,K/54 (Item 54 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00755454 **Image available**

METHOD AND APPARATUS IN A COMMUNICATION NETWORK

PROCEDE ET APPAREIL MIS EN OEUVRE DANS UN RESEAU DE COMMUNICATION

Patent Applicant/Assignee:

TELEFONAKTIEBOLAGET L M ERICSSON (publ), SE-126 25 Stockholm, SE, SE
(Residence), SE (Nationality)

Inventor(s):

BRANDT Toni, Kvarnhagsvagen 135, S-145 60 Norsborg, SE
HAGGBLAD Par, Djakneg. 9:650, S-754 23 Uppsala, SE
JONSSON Jonas, Hjortvagen 26, S-178 32 Ekerö, SE
JANDEL Magnus, Varvagen 10, S-194 60 Upplands Vasby, SE
KARLSSON Krister, Lindhagensgatan 69, S-112 43 Stockholm, SE
KARLSSON Roland, Drakenbergsg. 3 IV, S-117 21 Stockholm, SE
LONNBERG Emanuel, Djakneg. 19:510, S-754 23 Uppsala, SE
OSBORNE Stuart, Cedergrensv. 27, S-122 63 Hagersten, SE
STENHOFF Martin, Solhems Hagvag 90, S-163 56 Spanga, SE

Legal Representative:

BERG S A, Albihns Patentbyrå Stockholm AB, P.O. Box 5581, S-114 85
Stockholm, SE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200068864 A1 20001116 (WO 0068864)
Application: WO 2000SE932 20000510 (PCT/WO SE0000932)
Priority Application: SE 991694 19990510; US 99307712 19990510

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20647

Fulltext Availability:

Detailed Description

Detailed Description

... 1) compound ATP packet 2) regular ATP packet.

A compound ATP packet comprises a of a Source Header and several regular ATP packets. The Source Header comprises the following fields.

1) Application session identifier
2...

...header, an ATP optional header, an optional ATP Target Header and an ATP Content Packet.

The ATP header may include the following fields.

1) A Type Field, which is a set of flags indicating the type of the Content Packet and the presence of optional fields in the Content Packet. Content packet types...

...object or stream object. The intended

C@ lt@

receiver of a message can be indicated in the Type Field.

- 2) A flag indicating if the ATP packet is sent in the reliable or the unreliable mode
- 3) A flag indicating if a Target Header is present
- Cr
- 4) A set of flags the presence and content of the ATP optional header .
- 5) A field indicating the size of the content packet

4-1

The ATP optional header consists of the following optional fields.

- 1) session identifier
- 2) client identifier
- 3) object identifier

The ATP optional header is used for identifying the Content Packet. The application payload that is associated with a basic object might e.g. be sent in the Content Packet. The ATP optional header is used for identifying the basic object using the relative addressing system that is described below.

C@

The ATP target header TH is used for direct addressing of ATP packets. The ATP address of the receiver is indicated in the ATP target header . The first position in the TH is a byte that holds the size of the TH. The TH consists of an array of dynamic address fields that is either a...

and the log body of the current log record and writing the XOR result into the location. Unlike the conventional physical logging scheme, there is no...



27/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01710444

Object-oriented enumerated type facility
Objektorientierte Aufzählungstypereinrichtung
Arrangement de type enumere oriente objet

PATENT ASSIGNEE:

Sun Microsystems, Inc., (2616592), 4150 Network Circle, Santa Clara,
California 95054, (US), (Applicant designated States: all)

INVENTOR:

Bloch, Joshua J., 1199 Cordelia Avenue, San Jose, CA 95129, (US)

Gafter, Neal M., 6370 Tucker Drive, San Jose, CA 95129, (US)

LEGAL REPRESENTATIVE:

Davies, Simon Robert (75453), D Young & Co, 21 New Fetter Lane, London,
EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 1400895 A2 040324 (Basic)

APPLICATION (CC, No, Date): EP 2003255511 030903;

PRIORITY (CC, No, Date): US 237941 020909

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT WORD COUNT: 101

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200413	946
SPEC A	(English)	200413	3291
Total word count - document A			4237
Total word count - document B			0
Total word count - documents A + B			4237

...SPECIFICATION class. Static methods and fields declared in constant-specific class bodies are never accessible outside the class body in which they are declared.

In addition to the members it inherits from Enum, the enum class has a public static final "self-typed" field for each...

...classes may not be instantiated using new, may not be cloned, and take full control of the serialization and de-serialization process. This ensures that no instances exist beyond those made available via the aforementioned fields. Because there...

27/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01414253

Dynamic class loading
Dynamische Klassenladung
Chargement dynamique de classes

PATENT ASSIGNEE:

ABB RESEARCH LTD., (1524501), Affolternstrasse 52, 8050 Zurich, (CH),
(Applicant designated States: all)

INVENTOR:

Fabri, Andreas, Chemin de la Halte 18, 06130 Le Plan de Grasse, (FR)
Holle, Jorg, Segelhofstrasse 32d, 5405 Baden-Dattwil, (CH)
Auf der Maur, Dominik, Luisenstrasse 4, 8005 Zurich, (CH)
O'Reilly, Cheryl, 3408 Michelle Ct.,, Niagara Falls, ON L2H 3E7, (CA)

LEGAL REPRESENTATIVE:

ABB Patent Attorneys (101541), c/o ABB Schweiz AG Brown Boveri Strasse 6,
5400 Baden, (CH)

PATENT (CC, No, Kind, Date): EP 1195677 A1 020410 (Basic)

APPLICATION (CC, No, Date): EP 2000810925 001006;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/54

ABSTRACT WORD COUNT: 160

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	587
SPEC A	(English)	200215	2683
Total word count - document A			3270
Total word count - document B			0
Total word count - documents A + B			3270

...SPECIFICATION five forms of message body. Each form is defined by a message interface:

- * StreamMessage - a message whose **body** contains a stream of Java **primitive** values.
- * MapMessage - a message whose **body** contains a set of name-value pairs where names are strings and values are Java **primitive** types.
- * TextMessage - a message whose **body** contains a text string. This message type is intended transferring extended markup language (XML) files.
- * ObjectMessage - a message that contains a **serializable** Java object or a collection of Java objects.
- * BytesMessage - a message that contains a stream of uninterpreted...

43/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01118497

UNIVERSAL MESSAGING SYSTEM
UNIVERSELLES BENACHRICHTIGUNGSSYSTEM
SYSTEME DE MESSAGERIE UNIVERSELLE

PATENT ASSIGNEE:

UNISYS CORPORATION, (842794), Township Line and Union Meeting Roads P.O.
Box 500, Blue Bell, PA 19424-0001, (US), (Proprietor designated states:
all)

INVENTOR:

LUZESKI, Nicholas, M., 288 Vincent Road, Paoli, PA 19301, (US)
MURPHY, Allie, A., 222 Joseph's Way, Frazer, PA 19355, (US)
HOMAN, John, L., 956 Clearview Avenue, Ephrata, PA 17522, (US)
RUSSELL, Gary, Paul, 670 Coates Lane, King of Prussia, PA 19406-2560,
(US)

LEGAL REPRESENTATIVE:

Modiano, Guido, Dr.-Ing. et al (40786), Modiano, Josif, Pisanty & Staub,
Baaderstrasse 3, 80469 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1086570 A1 010328 (Basic)
EP 1086570 B1 020904
WO 99065216 991216

APPLICATION (CC, No, Date): EP 99926146 990603; WO 99US12318 990603

PRIORITY (CC, No, Date): US 94266 980609

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04M-007/00; H04L-012/58; H04L-029/06;
H04M-003/50

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200236	472
CLAIMS B	(German)	200236	450
CLAIMS B	(French)	200236	600
SPEC B	(English)	200236	10781

Total word count - document A 0

Total word count - document B 12303

Total word count - documents A + B 12303

...SPECIFICATION and acting on the multimedia content message requires a
change to the standard messaging client's message header handling logic
that will cause the client to recognize message types beginning with
BLT:UMSCONTENT.

Upon discovering...

...This information is used to provide customized presentation and handling
of the content embedded in the message body. The custom client must
should logic to handle all of the types of content that can be
transported in the multimedia content container.

D. Web Server for Large Objects

Another aspect of the present invention concerns an inventive method
and apparatus for speeding the transfer of large data objects in a
Universal Messaging system. The system of Figure 1 integrates an e-mail
messaging system with...

43/3,K/6 (Item 6 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00469796

BOUNDED-PAUSE TIME GARBAGE COLLECTION SYSTEM AND METHOD INCLUDING WRITE

43/3,K/29 (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00885466 **Image available**

SYSTEM AND METHOD FOR TRANSMITTING AND RETRIEVING DATA VIA A DISTRIBUTED
PERSISTENCE FRAMEWORK

SYSTEME ET PROCEDE DE TRANSMISSION ET D'EXTRACTION DE DONNEES PAR
L'INTERMEDIAIRE D'UN CADRE DE PERSISTANCE REPARTI

Patent Applicant/Inventor:

VENKATARAMAIAH Ramesh, 5312 Carnaby Street #241, Irving, TX 75038, US, US
(Residence), IN (Nationality)

HAROLD Michael D, 1119 Janther Place, Shreveport, LA 71104, US, US
(Residence), US (Nationality)

Legal Representative:

VAN DYKE Raymond (et al) (agent), Dorsey & Whitney LLP, 1001 Pennsylvania
Avenue, N.W., Suite 300 South, Washington, DC 20004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200219652 A2-A3 20020307 (WO 0219652)

Application: WO 2001US26799 20010828 (PCT/WO US0126799)

Priority Application: US 2000228597 20000828

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4285

Fulltext Availability:

Detailed Description

Detailed Description

... methodology illustrated in FIGURE 2, upon leaving the translation
program 230, the object may be, if necessary, **serialized** into a bit
stream and stored as a binary **large object** (BLOB) or a **large**
object (LOB). The form in which the data is stored or retrieved will
depend on a variety of factors...

59/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01414253

Dynamic class loading

Dynamische Klassenladung

Chargement dynamique de classes

PATENT ASSIGNEE:

ABB RESEARCH LTD., (1524501), Affolternstrasse 52, 8050 Zurich, (CH),
(Applicant designated States: all)

INVENTOR:

Fabri, Andreas, Chemin de la Halte 18, 06130 Le Plan de Grasse, (FR)
Holle, Jorg, Segelhofstrasse 32d, 5405 Baden-Dattwil, (CH)
Auf der Maur, Dominik, Luisenstrasse 4, 8005 Zurich, (CH)
O'Reilly, Cheryl, 3408 Michelle Ct., , Niagara Falls, ON L2H 3E7, (CA)

LEGAL REPRESENTATIVE:

ABB Patent Attorneys (101541), c/o ABB Schweiz AG Brown Boveri Strasse 6,
5400 Baden, (CH)

PATENT (CC, No, Kind, Date): EP 1195677 A1 020410 (Basic)

APPLICATION (CC, No, Date): EP 2000810925 001006;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/54

ABSTRACT WORD COUNT: 160

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	587
SPEC A	(English)	200215	2683
Total word count - document A			3270
Total word count - document B			0
Total word count - documents A + B			3270

...SPECIFICATION JVM and/or a class server are clients of a JMS.

JMS provides five forms of message **body** . Each form is defined by a message interface:

- * StreamMessage - a message whose **body** contains a stream of Java primitive values.
- * MapMessage - a message whose **body** contains a set of name-value pairs where names are strings and values are Java primitive types.
- * TextMessage - a message whose **body** contains a text string. This message type is intended transferring extended markup language (XML) files.
- * ObjectMessage - a message that contains a **serializable** Java object or a **collection** of Java objects.
- * BytesMessage - a message that contains a stream of uninterpreted bytes.

According to the invention...

59/3,K/7 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01245660 **Image available**

SYSTEM FOR OPTIMIZING APPLICATION START-UP

SYSTEME D'OPTIMISATION DU LANCEMENT D'UNE APPLICATION

Patent Applicant/Assignee:

LASZLO SYSTEMS INC, 2600 Campus Drive - Suite 200, San Mateo, CA 94403,
US, US (Residence), US (Nationality), (For all designated states)

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200579
(c) 2005 Thomson Derwent

Set	Items	Description
S1	2490	SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2	48	S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	47217	HEADER? ?
S4	2011388	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()- DATA()UNIT? ?
S5	14471	(TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6	3938	(LENGTH OR SIZE)(3N)FIELD? ?
S7	110436	(SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DY- NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	148354	S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	1972	LARGE(1W)OBJECT? ? OR LOBS OR LONG()FIELD? ?
S10	1023793	NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INT- ERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()C- HILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S11	36	S2 AND IC=(G06F OR H04L OR H04N OR H04M)
S12	3	S11 AND S3:S4
S13	1	S11 AND S5:S6
S14	8	S2 AND S9:S10
S15	10	S12:S14
S16	40	S4(10N)S9
S17	0	S3 AND S16
S18	0	S1 AND S16
S19	21	(TYPE OR KIND)(10N)S9
S20	120	(LENGTH OR SIZE)(10N)S9
S21	4	S19 AND S20
S22	0	S1 AND S19:S20
S23	33447	S4(10N)S10
S24	0	S1 AND S23
S25	108	(S3 OR S5:S6) AND S23
S26	3588	S4(10N)(NESTED OR COLLECTION)
S27	13	(S3 OR S5:S6) AND S26

15/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07400571 **Image available**
DOCUMENT MANAGEMENT SYSTEM AND PROGRAM

PUB. NO.: 2002-269073 [JP 2002269073 A]
PUBLISHED: September 20, 2002 (20020920)
INVENTOR(s): IMASATO SHO
APPLICANT(s): RICOH CO LTD
APPL. NO.: 2001-071473 [JP 200171473]
FILED: March 14, 2001 (20010314)
INTL CLASS: G06F-017/21; G06F-012/00

ABSTRACT

PROBLEM TO BE SOLVED: To generate a client which can easily operate document information.

SOLUTION: A document serializing means 22 generates a serialized document by converting document information hierarchically managed by a document managing means 21 into one stream in a specified format. A serialized document filing means 23 expands the generated serialized document on a file system in the form of a combination of a directory and a file.
COPYRIGHT: (C)2002,JPO

15/5/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016282855 **Image available**
WPI Acc No: 2004-440750/200441
XRPX Acc No: N04-348733

Forward chaining inferencing method, involves producing serialized rulebase by ordering rules in accordance with sequentially ordered facts from serialized fact dependency tree

Patent Assignee: SOFTLAW CORP LTD (SOFT-N)
Inventor: BARRY A
Number of Countries: 108 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200444840	A1	20040527	WO 2003AU1524	A	20031113	200441 B
AU 2003200039	B1	20030501	AU 2003200039	A	20030107	200445
AU 2003275806	A1	20040603	AU 2003275806	A	20031113	200470
EP 1570427	A1	20050907	EP 2003810917	A	20031113	200559
			WO 2003AU1524	A	20031113	
US 20050240546	A1	20051027	WO 2003AU1524	A	20031113	200571
			US 2005908495	A	20050513	

Priority Applications (No Type Date): AU 2002952648 A 20021114

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200444840 A1 E 34 G06N-005/04

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA
UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR
TZ UG ZM ZW

AU 2003200039 B1 G06F-017/30

AU 2003275806 A1 G06N-005/04 Based on patent WO 200444840

EP 1570427 A1 E G06N-005/04 Based on patent WO 200444840
Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
US 20050240546 A1 G06N-005/02 CIP of application WO 2003AU1524

Abstract (Basic): WO 200444840 A1

NOVELTY - A computerized database storing fact dependency tree which includes used facts of respective rules is developed. The facts in the dependency tree are sequentially ordered to produce serialized fact dependency tree. The rules in the rulebase are ordered as same as that of the sequentially ordered facts from serialized fact dependency tree, to produce a serialized rulebase.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for forward chaining inferencing system.

USE - For inferencing the new facts describing an individual personal circumstances in a computer.

ADVANTAGE - Provides high level of performance with high-speed memory. Minimizes the data required for inference cycle whenever input facts change.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the linear inferencing method.

pp; 34 DwgNo 8/14

Title Terms: FORWARD; CHAIN; METHOD; PRODUCE; SERIAL; ORDER; RULE; ACCORD; SEQUENCE; ORDER; FACT; SERIAL; FACT; DEPEND; TREE

Derwent Class: T01

International Patent Class (Main): G06F-017/30; G06N-005/02; G06N-005/04

International Patent Class (Additional): G06F-017/00

File Segment: EPI

15/5/8 (Item 7 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

011217160 **Image available**

WPI Acc No: 1997-195085/199718

XRPX Acc No: N97-161179

Computer system processing program code mechanism invocations for ORBs - includes program mechanisms which allow generic stubs to marshal and unmarshal data in object reference specific data formats and permits object applications to communicate with new object request broker with own unique data format

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: HAMILTON G; KESSLER P B; LIM S B; NISEWANGER J D; RADIA S R

Number of Countries: 007 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 766172	A1	19970402	EP 96305456	A	19960725	199718 B
JP 9231076	A	19970905	JP 96276814	A	19960930	199746
US 5737607	A	19980407	US 95534966	A	19950928	199821
EP 766172	B1	20011017	EP 96305456	A	19960725	200169
DE 69615978	E	20011122	DE 615978	A	19960725	200201
			EP 96305456	A	19960725	

Priority Applications (No Type Date): US 95534966 A 19950928

Cited Patents: 1.Jnl.Ref; EP 501610; EP 604010; EP 643349

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 766172 A1 E 17 G06F-009/46

Designated States (Regional): DE FR GB IT NL

JP 9231076 A 13 G06F-009/44

US 5737607 A 15 G06F-015/16

EP 766172 B1 E G06F-009/46

Designated States (Regional): DE FR GB IT NL

DE 69615978 E G06F-009/46 Based on patent EP 766172

protocol data units (PDU). A tunnel is established through an access controlling intermediate system, by setting up a nested security session whose PDU is encapsulated by PDU of primary session. The encapsulated PDU is identified by its message type field.

USE - For implementing security protocol for electronic services supported through Internet.

ADVANTAGE - Provides simple support for tunneling through access controlling intermediate system.

DESCRIPTION OF DRAWING(S) - The figure depicts tunneling supported by nested sessions established by session layer security protocol entity.

pp; 55 DwgNo 12/16

Title Terms: SECURE; PROTOCOL; IMPLEMENT; SYSTEM; ELECTRONIC; SERVICE; SUPPORT; THROUGH; ESTABLISH; TUNNEL; THROUGH; ACCESS; CONTROL; INTERMEDIATE; SYSTEM; SET; UP; NEST; SECURE; SESSION

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/12; H04L-012/22

International Patent Class (Additional): H04L-009/00; H04L-029/06

File Segment: EPI

27/5/9 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

014295295 **Image available**

WPI Acc No: 2002-115998/200216

XRPX Acc No: N02-086553

Transferring synchronous transport modules via synchronous network involves passing transport frames including unaltered header regions as payloads in chain of new multiplex units

Patent Assignee: ALCATEL (COGE)

Inventor: HEUER V

Number of Countries: 027 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1158710	A1	20011128	EP 2000440160	A	20000526	200216 B
CA 2348608	A1	20011126	CA 2348608	A	20010525	200216
US 20020001308	A1	20020103	US 2001863321	A	20010524	200216
EP 1158710	B1	20031105	EP 2000440160	A	20000526	200377
DE 50004325	G	20031211	DE 504325	A	20000526	200382
			EP 2000440160	A	20000526	

Priority Applications (No Type Date): EP 2000440160 A 20000526

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1158710 A1 G 15 H04J-003/16

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

CA 2348608 A1 E H04L-012/56

US 20020001308 A1 H04L-012/56

EP 1158710 B1 G H04J-003/16

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI

LU MC NL PT SE

DE 50004325 G H04J-003/16 Based on patent EP 1158710

Abstract (Basic): EP 1158710 A1

NOVELTY - The method involves transferring the transport frames that are to be transferred, including their unaltered header regions, as the payload in a chain of newly formed multiplex units. A number of new multiplex units of equal size is formed and linked to make a chain of newly formed multiplex units.

DETAILED DESCRIPTION - The method involves transferring the transport frames (STM-N) that are to be transferred, including their unaltered header regions, as the payload in a chain of newly formed

multiplex units. A number of new multiplex units (VC-4v) of equal size is formed and linked to make a chain of newly formed multiplex units, each transport frame is packed into the payload regions of the chained new multiplex units, at least one new transport frame is formed and new multiplex units **nested** units **payload** region and the new transport frame(s) is transmitted over the synchronous transport network. INDEPENDENT CLAIMS are also included for the following: a multiplexer for a synchronous digital transport network.

USE - For transferring a frame-structured synchronous multiplex signal via a synchronous digital transport network with multiplex units **nested** in a **payload** section according to a multiplex hierarchy.

ADVANTAGE - Enables current SDH or SONET based transport networks to be connected to synchronous digital sub-networks of private operators.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a multiplex structure for transferring synchronous transport modules for a SDH-based transport network
synchronous digital transport network (WAN)
transport module (STM-N)
new multiplex unit (VC-4v)
administrative unit group (AUG)

File 8: Ei Compendex(R) 1970-2005/Dec W1
(c) 2005 Elsevier Eng. Info. Inc.
File 35: Dissertation Abs Online 1861-2005/Nov
(c) 2005 ProQuest Info&Learning
File 65: Inside Conferences 1993-2005/Dec W2
(c) 2005 BLDSC all rts. reserv.
File 2: INSPEC 1898-2005/Dec W1
(c) 2005 Institution of Electrical Engineers
File 94: JICST-EPlus 1985-2005/Oct W2
(c) 2005 Japan Science and Tech Corp (JST)
File 6: NTIS 1964-2005/Dec W1
(c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2005/Dec W1
(c) 2005 INIST/CNRS
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 34: SciSearch(R) Cited Ref Sci 1990-2005/Dec W1
(c) 2005 Inst for Sci Info
File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Oct
(c) 2005 The HW Wilson Co.
File 266: FEDRIP 2005/Nov
Comp & dist by NTIS, Intl Copyright All Rights Res
File 95: TEME-Technology & Management 1989-2005/Nov W1
(c) 2005 FIZ TECHNIK

Set	Items	Description
S1	19536	SERIALIZ????? OR SERIALIS????? OR MARSHAL????
S2	157	S1(5N) (FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE() SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	12109	HEADER? ?
S4	1399498	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL() - DATA() UNIT? ?
S5	34674	(TYPE? ? OR KIND? ?) (3N) FIELD? ?
S6	29609	(LENGTH OR SIZE) (3N) FIELD? ?
S7	255089	(SIZE OR LENGTH) (5N) (VARIABLE OR VARIE? ? OR VARY??? OR DY- NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	8905	S4(10N) (RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	4547	LARGE(1W) OBJECT? ? OR LOBS OR LONG() FIELD? ?
S10	4206450	NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INT- ERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT() C- HILD OR (DIRECTORY OR FOLDER) (1W) STRUCTURE? ?
S11	12	S2 AND S4
S12	9	RD (unique items)
S13	0	S2 AND S3
S14	1	S2 AND S5:S6
S15	571	S1 AND S4
S16	5	S1 AND S8
S17	4	RD (unique items)
S18	7	S1 AND S9
S19	7	RD (unique items)
S20	25578	S4(10N) S10
S21	16	S1 AND S20
S22	13	RD (unique items)
S23	57	(TYPE OR KIND) (10N) S9
S24	184	(SIZE OR LENGTH) (10N) S9
S25	3	S23 AND S24
S26	2	RD (unique items)
S27	32	S4(10N) S9
S28	21	RD (unique items)
S29	118	S9 AND (NESTED OR COLLECTION)
S30	2	S1 AND S29

26/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

02824335 E.I. Monthly No: EIM8911-044333

Title: Uniform mechanism to support long fields and nested relations in database management systems.

Author: Barnett, J. R.; Batory, D. S.

Corporate Source: Univ of Texas, Dep of Computer Science, Austin, TX, USA

Conference Title: Proceedings of the Twenty-Second Annual Hawaii International Conference on System Sciences: Software Track

Conference Location: Kailua-Kona, Hawaii, USA Conference Date: 19890103

E.I. Conference No.: 12333

Source: Proceedings of the Hawaii International Conference on System Science v II (of 4). Publ by Western Periodicals Co, North Hollywood, CA, USA. Available from IEEE Service Cent (cat n 89TH0243-6), Piscataway, NJ, USA. p 569-577

Publication Year: 1989

CODEN: PHISD7 ISSN: 0073-1129 ISBN: 0-8186-1912-0

Language: English

Document Type: PA; (Conference Paper) Treatment: T; (Theoretical)

Journal Announcement: 8911

Abstract: Two seemingly distinct features of next-generation database management systems (DBMSs): long fields and nested relations. A long field contains an uninterpreted sequence of bytes of potentially enormous length. A nested relation is a relation that has relation-valued attributes; the nesting of relations can be arbitrarily deep. By elevating the semantics of long fields from a sequence of bytes to a sequence of instances of a (potentially complex) data type, the mechanisms for storing and retrieving nested relations and long fields are equated. An implementation of these ideas in the context of the GENESIS extensible DBMS is described. 14 refs.

Descriptors: *DATABASE SYSTEMS

Identifiers: LONG FIELDS; NESTED RELATIONS; GENESIS EXTENSIBLE DBMS

Classification Codes:

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

26/5/2 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

08348771 Genuine Article#: 275ED Number of References: 16

Title: Efficient handling of tuples with embedded large objects

Author(s): Dieker S (REPRINT) ; Guting RH

Corporate Source: FERNUNIV,/D-58084 HAGEN//GERMANY/ (REPRINT)

Journal: DATA & KNOWLEDGE ENGINEERING, 2000, V32, N3 (MAR), P247-269

ISSN: 0169-023X Publication date: 20000300

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE

Geographic Location: GERMANY

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology

Journal Subject Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE;

COMPUTER SCIENCE, INFORMATION SYSTEMS

Abstract: Modern database systems and storage manager toolkits usually provide a large object abstraction. Very often large objects are not used as standalone entities, but rather embedded within an aggregate of different types, i.e. a triple. Depending on the large object's size and access probability, query performance is determined by the representation of the large object: either inlined within the aggregate or swapped out to a separate object. This paper describes a sound and general large object interface extension which automatically switches the representation of large objects according to their actual size. The optimum threshold size for switching the large object's